skillsoft* global knowledge,...

GraphQL

Duration: 2 Days Course Code: GRAPHQL Delivery Method: Virtual Learning

Overview:

GraphQL Course Overview

GraphQL is a query language for APIs and a query runtime engine. It's an increasingly popular alternative to REST given it enables the client to specify the shape of the representation and it minimises the number of requests required to obtain the desired data. This course comprises sessions dealing with prerequisite topics including HTTP and REST APIs, core GraphQL theory, the building of GraphQL services and clients, queries, types, and yet more GraphQL theory including introspection and best practices.

Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered. Delegates have the option of coding in either Java, Python, or JavaScript.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Who will the Course Benefit?

This course will benefit developers who are required to build or maintain GraphQL services and/or clients, and anyone otherwise interested in what a GraphQL service is, how it works, and how to build a good one.

Objectives:

Course Objectives

This course aims to provide the delegate with the skills and knowledge necessary to design and build good quality GraphQL services.

Prerequisites:

Delegates attending this course should have some knowledge of, or experience in, software development. Ideally delegates will be comfortable coding in Java, Python, or JavaScript to a fundamental level.

Follow-on-Courses:

Further Learning

- Core Spring (4 day)
- Python Programming 2
- Developing Node.js Web Applications
- REST APIS

Content:

GraphQL Training Course Course Contents -Session 2: GRAPHQL THEORY Session 5: QUERIES DAY 1 ■ The problem with REST APIs Arguments What is GraphQL? Aliases Course Introduction ■ The composition of a GraphQL service Fragments Operation names Queries and mutations Administration and Course Materials Schemas and types Variables Directives Course Structure and Agenda Session 3: GRAPHQL SERVICES ■ Delegate and Trainer Introductions Session 6: TYPES Session 1: PREREQUISITES Building a GraphQL service with: Spring Boot (Java) or; Arguments APIs Ariadne (Python) or; Lists Non-null fields Web apps Apollo (JavaScript) Web services The query and mutation types Session 4: GRAPHQL CLIENTS HTTP Scalar types JSON Enum types Serialisation Building a GraphQL client with: Union types REST APIs HttpClient (Java) or; Input types GQL (Python) or; Interfaces Session 7: MORE GRAPHQL THEORY Validation Execution Introspection Best practices

Further Information:

For More information, or to book your course, please call us on 0800/84.009 info@globalknowledge.be
www.globalknowledge.com/en-be/